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Province of Manitoba

DEPARTMENT OF MINES AND NATURAL RESOURCES

MINES BRANCH

PUBLICATION 51-1

Bibliography

of

Geology of the Precambrian Area of Manitoba

to 1950

WINNIPEG

1951



Province of Manitoba

DEPARTMENT OF MINES AND NATURAL RESOURCES

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Compiled by
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CONTENTS

	Page
Preface	v
PART I	
References indexed by author	1
PART II	
References indexed by subject.....	40
Economic geology	40
Miscellaneous	40
Antimony	41
Arsenic	41
Beryllium	41
Bismuth	41
Cadmium	41
Chromium	41
Cobalt	41
Copper	41
Gold.....	42
Silver	44
Iron	44
Lead	44
Lithium	45
Mineral Production and Resources.....	45
Molybdenum.....	45
Nickel	45
Platinum	46
Tin	46
Tungsten	46
Uranium and Radioactive Minerals.....	46
Zinc.....	46
Historical Geology	47
Mineralogy.....	47
Petrology	47
Structural Geology	48
Miscellaneous	48

PART III

	Page
References indexed by location.....	49
General.....	49
Athapapuskow Mining Division.....	49
Churchill Mining Division	50
Cross Lake Mining Division	50
Gods Lake Mining Division	51
Granville Lake Mining Division.....	51
Herb Lake Mining Division	52
Island Lake Mining Division.....	53
Lac du Bonnet Mining Division	53
Oxford Lake Mining Division	55
Rice Lake Mining Division	55

PART IV

Maps	57
List of maps published by the Manitoba Mines Branch, 1937-1950.....	57
List of preliminary reports and maps published by the Geological Survey of Canada	59
List of geological maps of Manitoba published by the Geological Survey of Canada	61

PREFACE

This bibliography was compiled to provide a convenient index of geological publications dealing with the part of Manitoba underlain by rocks of Precambrian age.

A similar bibliography has been compiled dealing with the parts of Manitoba underlain by rocks of post-Cambrian age. This bibliography is divided into four parts. In Part I publications are listed under the full title and are arranged alphabetically according to authors; where more than one article is listed under the same author, these are arranged chronologically. In the second part the references are indexed according to subject matter, and in the third, according to location. In the second and third parts, the author and date of publication serve as a reference to the complete title, in Part I. Part IV contains lists of more recent maps.

The references have been rather rigidly restricted to those dealing primarily with the geology of an area. Accordingly, many articles dealing mainly with mining, milling or more general topics have been omitted, although they may contain brief reference to the geology of the area concerned.

A complete index of such matters as Historical Geology, Structural Geology, or Petrology has not been attempted. Instead, an index entry such as "Herb Lake, General" should be read as "Herb Lake, General Geology", including discussion of petrology, structure, metamorphism, and such other matters as are commonly included in the description of an area. In the same way, the index entry "Regional" refers to general geology of a still broader area done in lesser detail. In general this entry refers to the reconnaissance and track-survey type of work done by the Geological Survey of Canada, mainly prior to about 1910.

Probably references to some publications which should have been included have been omitted. Suggestions for corrections of future revisions will be appreciated.

Assistance in compiling this bibliography was provided by lists previously compiled by F.S. Gamey and Lillian B. Kerr.

Acknowledgment is made of the willing assistance offered by the staffs of the Science Library of the University of Manitoba, the Manitoba Provincial Library, and by J.P. de Wet of the Manitoba Chamber of Mines. Dr. J.M. Harrison, of the Geological Survey of Canada, kindly made his personal bibliography of Manitoba Precambrian geology available for checking while this publication was in manuscript form.

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PART II

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ECONOMIC GEOLOGY

Miscellaneous

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- Granite: Cameron, 1949.
- Lithium Refining: Shepherd, 1938.
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- Mineral occurrences: Johnston, 1915.
- Mining: Bruce, 1917, 1918d; Campbell, J.A., 1918b, 1918c; Prather, 1926; Robinson, 1926.
Central Manitoba Mine; Cole, 1932.
Flin Flon; Cole, 1932.
Historical; Cole, 1947.
Sherritt-Gordon; Cole, 1932.
- Ore Deposits of Northern Manitoba: Wallace, 1925a.
- Photographs: Russell, 1949b.
- Prospecting: Bichan, 1948, Brown, 1947, Bruce, 1916a, 1919a, 1919b, 1920b; DeLury, 1925; Geol.Surv., Canada, 1930; Goodwin, 1930; Gwillam, 1930, Harding, 1914; Hutt, 1950; Lang, 1948; Manitoba Mines Branch, 1945.
Prospecting Areas: Wright, 1931b.
Granville Lake: Brown, 1947.
Manitoba: De Wet, 1946.
- Resources: Scoble, 1897.
- Secondary Enrichment: Wallace, 1922b.
- Temperature of Deposition: Smith and Peach, 1949; Scott, 1948.
- Water Power: Attwood, 1925, 1930.

Antimony

Occurrence: Cole, 1938.
Herb Lake: Wallace, 1923.
Oxford Lake: Wright, 1926b.

Arsenic

Occurrences: Cole, 1938.
Herb Lake Wallace, 1923.

Beryllium

Occurrences: Cole, 1938.
General: DeLury, 1930; Wright, 1930b.
Beryl: Cameron, 1949.
 Bernic Lake: DeLury, 1926; Stockwell, 1938a.
 Cat Lake Springer 1949a 1950, Stockwell, 1938.
 Shatford Lake: Stockwell, 1938a.
 Winnipeg River DeLury, 1930; Ellsworth, 1932, Springer,
 1949a, 1950; Stockwell, 1938a.

Bismuth

Occurrences: Cole, 1938.

Cadmium

Occurrences Cole, 1938.

Chromium

Chromite, general: Bateman, 1942b, Cameron, 1949.
 General geological relationships: Bateman, 1942b.
 Bird River: Bateman, 1942b, 1943b, 1945c; Brownell,
 1942, De Wet, 1942; Springer, 1948, 1949, 1950.
 Maskwa Lake. Springer, 1949, 1950.
 Silver Leaf (fuchs site): Spence, 1928; Stockwell, 1938a.

Cobalt

Bird River: Wallace, 1923.

Copper

General: Campbell, J.A. 1917b, 1918c; Robinson, 1926;
 Wallace, 1923.
Occurrences: Cole, 1938; Wallace, 1928.
Leached Outcrops: Gwillam, 1930.
Anderson Lake: Harrison, 1949.
Athapapuskow: Buckham, 1942.

Barrington Lake: Crombie, 1948.
Beavertail Lake: Harrison, 1949.
Berry Creek: Harrison, 1949.
Bird Lake: Springer, 1949; Wright, 1926a.
Bird River-Maskwa River: Cooke, 1922.
Bird River: DeLury, 1921, 1927, Wright, 1925a, 1930b, 1932c.
Cuprus Mine: Precambrian, 1948a.
English Brook: Russell, 1949a.
Flin Flon: Alcock, 1923, 1930, 1933; Bruce, 1917, 1918b, 1920a,
Callinan, 1917, Robinson, 1926; Wallace, 1926a, Hudson Bay
Min. and Smelting Co. Staff and Stockwell, 1948.
Hughes River: Stanton, 1948.
Jackfish Lake: Harrison, 1949.
Kississing Area: Wright, 1929b.
Long Lake: Moore, 1913.
Lynn Lake: Allan, 1946.
Mandy: Alcock, 1923, 1930; Bruce, 1917, 1918b, 1920a; Hanson,
1920; Spurr, 1923.
Maskwa Lake: Springer, 1948, 1949, 1950.
Maskwa River: Colony, 1921; DeLury, 1921; McCann, 1921,
Wright, 1925a, 1930c, 1932c.
Morton Lake: Harrison, 1949.
Nickel Lake: Stanton, 1948.
Oiseau Lake: See "Bird Lake".
Oxford-Knee Lakes Area; Wright, 1932b.
Production: Browning, 1927.
Reindeer Lake: Alcock, 1930; Stockwell, 1929.
Schist Lake: Bruce, 1918a; Wallace, 1916a.
Sherritt-Gordon: Alcock, 1930, 1933, Bruce, 1929, 1930;
Farley, 1949; Rowe, 1929b; Wright, 1929b, 1930a, 1930e.
Lake Winnipeg-Wanipigow River: DeLury, 1921.

Gold

General. Cole, 1927; De Mille, 1934; Gordon, 1922; McLaren,
1932; Robinson, 1926, 1932; Wallace, 1916b, 1916c.
Genesis of Precambrian Gold Ores: Wallace, 1918a.
Occurrences: Cole, 1938, Cooke and Johnston, 1932; Cooke, 1946,
Wallace, 1928.
Albert Lake: Bateman, 1945b.
Amisk Lake: Bruce, 1915, 1916, 1918b; Wright, 1933.
Assean Lake: Dawson, 1941.
Athapapuskow: Bruce, 1916a, 1918b.
Barrington Lake: Crombie, 1948; Stanton, 1948.
Beaver Hill Lake: Wright, 1932b.
Beresford Lake: DeLury, 1921, 1927.
Beresford-Rice Lakes: Shepherd, 1940; Stockwell and Lord, 1939,
Wright, 1924, 1930c, 1932e.
Bigstone Lake: MacIntosh, 1941.

Birch Lake: Harrison, 1949.
Cartwright Lake: Allan, 1948b.
Central Manitoba Mine: McLaren, 1932; Robinson, 1932;
Stockwell and Lord, 1939.
Central Manitoba (Wentworth Lake): Wright, 1932a.
Chisel Lake: Harrison, 1949.
Clam Lake: MacIntosh, 1941.
Copper Lake: Wallace, 1919a.
Carley Lake: Harrison, 1949.
Echimamish River: Tanton, 1937.
Elbow Lake: Armstrong, 1923, Stockwell, 1935, Wallace, 1921,
Wright, 1931a.
English Brook Area: Greer, 1928b, Wright, 1932c.
Falcon Lake: Brownell, 1941; DeLury, 1919.
Farley Lake: Stanton, 1948.
Flin Flon: Alcock, 1930, Bateman, 1945b; McLaren, 1932;
Robinson, 1932; Wright and Stockwell, 1934.
Fourmile Island: Harrison, 1949.
Gaspard-Anderson Lakes: Harrison, 1949.
Gem Lake: Anderson, A.K., 1929; Wright, 1932c.
Gods Lake: Baker, 1935, Dix, 1948, Shepherd, 1940,
Wright, 1932a.
Gold Lake: Allan, 1948b; DeLury, 1921, 1927; Wright, 1932c.
Gunnar Mine: Lord, 1942, Shepherd, 1939, Stockwell and Lord, 1939.
Gurney Mine: Hage, 1944.
Halfway Lake: Stockwell and Lord, 1939; Wright, 1932c.
Herb Lake: Alcock, 1918, 1919b, 1920b, 1920c, 1921d, 1924, Bruce,
1915, 1916a; Stockwell, 1937; Wallace, 1916b, 1919b.
Herblet Lake: Harrison, 1949.
Herman Lake: Allan, 1948b.
Island Lake: McMurchy, 1944; Shepherd, 1940, Wright, 1932a.
Jeep Mine: Thompson, 1950.
Knee Lake: Bruce, 1920, Springer, 1947.
Lake of the Woods: Parsons, 1912.
Little Bear Lake: Wright, 1932c.
Little Rice Lake: DeLury, 1921.
Long Lake: DeLury, 1921; Wright, 1924.
McVeigh Lake: Bateman, 1945d.
Manitotagan: DeLury, 1916a; Wright, 1925b.
Manitotagan-Wanipigow: Dresser, 1917.
Meridian Lake: Alcock, 1923.
Mikanagan Lake: Bateman and Harrison, 1944.
Moore Lake: Harrison, 1949.
Morgan Lake: Harrison, 1949.
Norris Lake: Stockwell, 1935.
Ogama-Rockland: Precambrian, 1948b.
Oxford Lake: Wright, 1932a, 1932b.
Palomar Lake: Wright, 1932c.

Photo Lake: Harrison, 1949.
Pipestone Lake: Alcock, 1920a.
Red Rice Lake: DeLury, 1927; Wright, 1932c.
Rice Lake: Bramble, 1918; Cooke, 1922; DeLury, 1921, 1927;
Harding, 1914, Moore, 1913, Stockwell, 1938b, 1940, Tyrrell,
1915; Wallace, 1913; Wright, 1923, 1925b, 1930c, 1932c.
San Antonio: Ferguson, 1950; Kennedy and Reid, 1933. McLaren, 193
Reid, 1931, Robinson, 1932; San Antonio Mine Staff, 1936;
Stockwell, 1938b; Gibson and Stockwell, 1948.
Saxton Lake: Wright, 1932c.
Sherritt-Gordon: Alcock, 1930; Robinson, 1932.
Snow Lake: Ebutt, 1944; Harrison, 1945, 1946a, 1948, 1949;
Warren, Thompson, Bacon and McEachern, 1943.
Snow Lake Narrows: Harrison, 1949.
Squall Lake: Boyes and Harrison, 1948; Harrison, 1949.
Star Lake: Bruce, 1919, Marshall, 1918b.
Stovel Lake: Stockwell and Lord, 1939.
Stull Lake: Downie, 1937.
Tartan Lake: Bateman, 1945b.
Tern Lake: Harrison, 1949.
Threehouse Lake: Harrison, 1949.
Tinney Lake: Stockwell and Lord, 1939.
Turtle Lake: DeLury, 1927.
Wallace Lake: Russell, 1948.
Wanipigow Lake: Davies, 1949; Wright, 1923, 1932c.
Wanipigow River: Davies, 1950, DeLury, 1921, 1927.
Wekusko Lake: See "Herb Lake".
West Hawk Lake: Bruce, 1919c.

Silver

Occurrences: Cole, 1938.
Bird Lake: Wright, 1926a.
Flin Flon: Alcock, 1930.
Star Lake: Marshall, 1918b.

Iron

Grant Lake: Alcock, 1923.
Black Island Hematite: Brownell and Kliske, 1945.

Lead

General: Alcock, 1930.
Occurrences: Alcock, 1930; Cole, 1938.
Herb Lake: Wallace, 1923.
Mystery Lake: Alcock, 1930.
Reindeer Lake: Alcock, 1930; Gadd, 1949.
Snow Lake: Alcock, 1918b, 1920b, 1930.
Wekusko River: Alcock, 1930.

Lithium

General: Ellsworth, 1932; Shepherd, 1938; Wallace, 1923; Wright, 1930b.
Genesis of Pegmatites: Stockwell, 1933b.
Occurrences: Cole, 1938.
Bernic Lake: Ellsworth, 1932, Stockwell 1938a. Wallace and Greer, 1927; Wright 1932c.
Bird River: DeLury, 1927; Wright, 1926a.
Cat Lake: DeLury, 1926; Ellsworth, 1932; Springer, 1948, 1949, 1950; Stockwell, 1938a; Wallace and Greer, 1927; Wright, 1932c.
Oiseau River: See "Bird River".
Silver Leaf: Cole and Eardley-Wilmot, 1925; DeLury, 1926; Spence, 1928, 1929; Stockwell, 1933.
Spodumene: Cameron, 1949.
West Hawk Lake: Ellsworth, 1932; Stockwell, 1938.
Winnipeg River: Ellsworth, 1932. Springer, 1949, 1950; Stockwell 1938; Wallace and Greer, 1927; Wright, 1932c.

Mineral Production and Resources

Production, general: Cole, 1938.
Copper: Browning, 1927.
Gold: Gordon, 1922; Robinson, 1932.
Resources, general: Wallace, 1918b, Scoble, 1897, Tyrrell, 1908.
Non-metallic: Wallace and Greer, 1927.
Hudson Bay Railway Belt: Natural Resources Intelligence Service, 1926.

Molybdenum

General: Wallace, 1923.
Occurrences: Cole, 1938.
Barrington Lake: Crombie, 1948.
Boundary District: DeLury, 1927.
Cross Lake: Johnston, 1904.
English Brook: Russell, 1949.
Falcon Lake: Bruce, 1918c; DeLury, 1917, 1919, 1921.
High Lake: DeLury, 1921.
Playgreen Lake: Johnston, 1904.
Pointe du Bois: Wright, 1926a.
Wekusko Lake: Alcock, 1918b, 1920b.

Nickel

General: Wallace, 1923.
Occurrences: Cole, 1938.
Barrington Lake: Crombie, 1948.
Bird Lake: Wright, 1926a; Springer, 1949, 1950.

Bird River-Maskwa River: Cooke, 1922.
Bird River: DeLury, 1921, 1927; Wright, 1928, 1930c.
English Brook: Russell, 1949.
Lynn Lake: Allan, 1946, 1947, 1948a, 1950.
Maskwa Lake: Springer, 1948, 1949, 1950.
Maskwa River: Colony, 1921; DeLury, 1921; McCann, 1921;
Wright, 1925a, 1930c, 1932c.
Morton Lake: Harrison, 1949.
Oiseau River: See "Bird River".
Tramping Lake: Harrison, 1949.

Platinum

Maskwa River: Colony, 1921; McCann, 1921.
Star Lake: Marshall, 1918b.

Tin

General: Bateman, 1943a; DeLury, 1929; Lang, 1948,
Wright, 1930b, 1930c.
Occurrences: Cole, 1938.
Bernic Lake: Derry, 1930b; Rowe, 1929a; Springer, 1949, 1950;
Wright, 1930b, 1930c.
Bird River: Bateman, 1943a, Derry, 1930b.
Red Sucker Lake: Lang, 1948.
Rush Lake: Bateman, 1943a; Lang, 1948.
Shatford Lake: Bateman, 1943a; DeLury, 1926; Derry, 1930b,
Springer, 1949, 1950; Wright, 1930b, 1930c.
Walton Lake: Lang, 1948.
West Hawk Lake: DeLury, 1920.

Tungsten

General: Wallace, 1923.
Occurrences: Cole, 1938.
Boundary District: DeLury, 1921, 1927.
Edwards Lake: Harrison, 1949.
Falcon Lake: Bateman, 1943c; Bruce, 1919c, DeLury, 1918, 1919.
Grading Scheelite: Joliffe and Follinsbee, 1942.

Uranium and Radioactive Minerals

Winnipeg River: DeLury and Ellsworth, 1921.
Bird River: Ellsworth, 1932.

Zinc

General: Alcock, 1930; Wallace, 1923.
Occurrences: Alcock, 1930, Cole, 1938, Wallace, 1928.
Cuprus: Precambrian, 1948a.
Flin Flon: Alcock, 1923, 1930, 1933; Alcock and Bingay, 1927,
Bruce, 1917.

Kississing: Wright, 1929.
Mandy: Alcock, 1923, 1930, 1933; Bruce, 1917.
Mystery Lake: Alcock, 1930.
Reindeer Lake: Alcock, 1930; Stockwell, 1929.
Sherritt-Gordon: Alcock, 1930; Bruce, 1929, 1930;
Rowe, 1929b, Wright, 1929.

HISTORICAL GEOLOGY

Missi and Amisk: Cooke, 1933.
Post Missi Intrusives: Tanton, 1940.
Precambrian Correlation: Miller, 1913.
Pre-Keewatin (?) Tonalite: Horwood, 1935.
Stratigraphy: Wallace, 1925c.

MINERALOGY

Mineral Occurrences: Johnston, 1915.
Boulangerite: Thomson, 1943.
Chalmersite: Thomson, 1927.
Chromite (Bird River): Bateman, 1945c.
Columbite-Tantalite: Thomson, 1943.
Cordierite: Rutherford, 1936.
Cyanite: Wallace, 1924.
Enelectrite: Walker, 1934.
Red Gold (San Antonio): Ferguson, 1950.
Lazulite: Hoffman, 1880.
Lepidolite (Rb/Tl Ratio): Ahrens, 1948b.
Rare Minerals (Pointe du Bois): Walker, 1931.
Rose Quartz - Birse Lake: Parsons, 1934.
Tellurbismuth: Thompson, 1950.
Temperature of Deposition: Scott, 1948, Scott and Peach, 1949.
Zeolites, Sherritt-Gordon: Brownell, 1938.
Zircons, chemical and optical variation: Morgan and Auer, 1941.

PETROLOGY

Amisk Lake: Tanton, 1940.
Amygdaloid (Lake Manitoba): Bell, 1904.
Differentiation in Granite: Alcock, 1921c.
Flin Flon: Ambrose, 1936b.
Granitization: Horwood, 1936.
Kisseynew Gneiss: Bruce and Matheson, 1930; Kerr, 1938.
Wright, 1930d.
Gneisses at Flin Flon: Kerr and Ruttan, 1936.

Metamorphism - regional: Harrison, 1947.
- Flin Flon: Kerr, 1936, 1938.
- Morton Lake: Currie, 1947.
McVeigh Lake: Bateman, 1942a.
Norite: Colony, 1921.
Pegmatites, genesis: Stockwell, 1933.
Lake Winnipeg, petrography: Ferrier, 1899.
Rock Alteration, San Antonio Mine: Bragg, 1943.

STRUCTURAL GEOLOGY

Flin Flon: Ambrose, 1936a.
McVeigh Lake: Bateman, 1942a.
Sherritt-Gordon: Derry, 1942.

MISCELLANEOUS

Geological Age:

Ahrens, 1947, 1948a,c; Ahrens and Evans, 1948;
Ahrens, 1949, 1950; Aldrich and Nier, 1948;
De Lury and Ellsworth, 1931; Ellsworth, 1925;
Hahn, 1937, 1944; Hecht and Kroupa, 1936; Holmes, 1947,
1948; Holmes and Smales, 1948, Hurley, 1949, Morgan, 1941,
Muench, 1941, 1950; Nier, 1939, 1941.

Temperature of Deposition:

Scott, 1948; Smith and Peach, 1949.

PART III

REFERENCES INDEXED BY LOCATION

GENERAL

Regional. Alcock and Bruce, 1921; Anderson, J., 1910; Bell, 1873, 1879, 1881; Brock, 1911; Bruce, 1922, 1933; Bruce and Matheson, 1930; Campbell, J.A., 1917a, 1918; Coleman and Parks, 1922; Cooke, 1933; Dawson, 1875; DeLury and Cole, 1930; Edwards, 1821; Hector 1861; Isbister, 1855; Kitto, 1923; McInnes, 1906, Prather, 1926; Shepherd, 1940; Tyrrell, 1915.

Athabasca to Hudson Bay: Tyrrell, 1895.

Hudson Bay: Tyrrell, 1896b, 1900; Wallace, 1925a.

Hudson Bay to Lake Winnipeg: Tyrrell, 1897b.

Lake Winnipeg: Tyrrell, 1892, 1898.

Northern Manitoba Tyrrell, 1891, 1902, Wright, 1931.

ATHAPAPUSKOW MINING DIVISION

General. Bruce, 1918b,e, 1919a,b; Buckham, 1942; DeLury, 1916b; Wallace and DeLury, 1916; Wright, 1931.

Amisk Lake Area, General Wright, 1933, Wright and Stockwell, 1934a.

Regional: Bruce, 1915, 1916, 1918b.

Post-Missi Intrusives: Tanton, 1940.

Prospects: Wallace, 1920.

Athapapuskow Lake, Sulphide deposits: Wallace, 1919c, Wright, 1931a.

Brunne Lake, Gold occurrences Wallace, 1919c; Wright, 1931a.

Cold Lake, Chalmersite: Thomson, 1927.

Collins Point, general: Frarey, 1949.

Copper Lake, Gold: Wallace, 1919a,c; Wright, 1931a.

Cranberry Lake, Gold: Wright, 1931a.

Elbow Lake, Regional Armstrong, 1923, Bruce, 1919b; Gold occurrences Wright 1931a.

Fay Lake, Sulphide deposits: Wright, 1931a.

Flin Flon, Regional Alcock, 1923, 1930, 1933, Ambrose, 1936.

General: Alcock, 1924; Brownell and Kinkel, 1935; Bruce, 1920a, Callinan, 1917, Hanson, 1920; Shepherd, 1940; Stockwell, 1944, 1946; Tanton, 1941a; Wallace, 1916a, 1919b,c, 1922a, 1926, 1927; Hudson Bay Mining and Smelting Co. Staff and Stockwell, 1948.

Flin Flon, Development of gneisses: Kerr and Ruttan, 1936.

Gold: McLaren, 1932; Robinson, 1932; Wright and Stockwell, 1943b.

- Historical: Cole, 1948; Greer, 1930; Phelan, 1935.
Metamorphism: Kerr, 1936, 1938.
Mining: Cole, 1932.
The name: Manitoba Mines Branch, 1941.
Zinc: Alcock and Bingay, 1927.
Gurney Mine, General: Hage, 1944.
Kississing Lake, General: Wright, 1929.
Sulphide deposits: Wright, 1931a.
Kisseynew Gneiss: Wright, 1930d.
Mandy, General: Alcock, 1930, 1933; Bruce, 1918b, Hanson, 1920,
Spurr, 1923; Stockwell, 1946; Wallace, 1919b.
Copper: Bruce, 1920a.
Mikanagan Lake, Regional: Bateman and Harrison, 1944.
Gold deposits: Bateman, 1945a.
Nokomis Lake, General: Robertson, 1948.
The Pas, General: Alcock, 1924.
Schist Lake, General: Bruce 1917, 1918a, b, e; Tanton, 1941b.
Sulphides: Wallace, 1916a; Wright, 1931a.
Sherritt-Gordon, General: Alcock, 1930, 1933, Alcock and Bingay,
1927; Bateman, 1944a; Bruce, 1929, 1930; Derry, 1942;
Farley, 1949; Rowe, 1929b; Stockwell, 1944; Wright,
1929b, 1930a, e, 1931a.
Sherridon, Cordierite: Rutherford, 1936.
Gold: Robinson, 1932.
Mining: Cole, 1932.
Zeolites: Brownell, 1938.
Snipe Lake, Sulphides: Wright, 1931a.
Walton Lake, tin: Lang, 1948.
Weldon Bay: Kalliokoski, 1949, 1950.

CHURCHILL MINING DIVISION

- General: Williams, 1947
Regional: Alcock, 1916.
Churchill River, General: Alcock, 1921c.
Regional: Bell, 1880; McInnes, 1909, 1913.
Differentiation in granite: Alcock, 1921c.
Hayes River, Regional: Tyrrell, 1913.
Nelson River, Regional: O'Sullivan, 1906.

CROSS LAKE MINING DIVISION

- Assean-Split Lakes, General: Dawson, 1941.
Bigstone River, General: Merritt, 1926.
Burntwood River, Regional: Alcock, 1921a; Dowling, 1902.
Churchill River, Regional: Dowling, 1902.

Cross-Pipestone Area, Regional: Alcock, 1920a.
Cross Lake, Granitization: Horwood, 1936.
Molybdenite: Johnston, 1904.
Pre-Keewatin Tonalite: Horwood, 1935.
Grass River, Regional: Dowling, 1902.
(Wekusko-Setting L.): Wright, 1931a.
Landing Lake: Wright, 1931a.
Mystery Lake Birse, 1928a; Wright, 1931a.
Nelson River, Regional Bell, 1880; McInnes, 1913,
O'Sullivan, 1906, Tyrrell, 1913, 1916.
Ospwagan Lake Alcock, 1921a, Wright, 1931a.
Paint Lake, General Wright, 1931a.
Partridge Crop Lake, General Wright, 1931a.
Seal River, Regional Johnston, 1935.
Setting Lake, General: Wright, 1931a.
South Indian Lake, Regional: McInnes, 1909.
Split Lake, Regional: O'Sullivan, 1906.
Threepoint Lake, Regional Alcock, 1921b.

GODS LAKE MINING DIVISION

General Dix, 1948; Precambrian, 1938c, Wright, 1932a.
Regional: Bell, 1880; Dobbs, 1906.
Fox River, General. Merritt, 1926.
Gods Lake, Gold. Shepherd, 1940; Wright, 1932a.
Gods Lake Mine. Baker, 1935; De Wet, 1935.
Gods River, Regional: Dobbs, 1906.
Hayes River, Regional: Tyrrell, 1916.
Knee Lake, General: Springer, 1947, Wright, 1926b.
Regional Bruce 1920b.
Gold: Wright, 1932a.
Peckinaw River, Regional: Dobbs, 1906.
Shamattawa, Regional: Dobbs, 1906.
Stull Lake, General Downie, 1937; Spector, 1945.

GRANVILLE LAKE MINING DIVISION

General: Norman, 1934.
Barrington Lake, General: Crombie, 1948; Minton, 1946b.
Gold: Stanton, 1948.
Brochet, General: Gadd, 1949.
Churchill River, Regional: Dowling and Tyrrell, 1896.
Dunphy Lakes, General: Stanton, 1949.
Farley Lake, General: Stanton, 1948.
Gold: Stanton, 1948.
Granville Lake, Prospecting: Brown, 1947.
Hughes Lake, General. Allan, 1948b.

Hughes River, Copper: Stanton, 1948.
Kemuchawie Lake, Regional: Birse, 1928b.
Loon Lake, Regional: Birse, 1928.
Lynn Lake, General: Allan, 1946, 1947, 1948a, 1950.
Reserves: Cole, 1946.
McVeigh Lake, General: Bateman, 1942a, 1945d.
Nickel Lake, Copper: Stanton, 1948.
Rat River Route, Regional: Alcock, 1921b.
Reindeer Lake, General: Stockwell, 1929.
Sickle Lake, General: Fawley, 1949.
Southern Indian Lake, Regional: Alcock, 1921b.

HERB LAKE MINING DIVISION

General: Armstrong, 1941; Precambrian, 1938b; Shepherd, 1943; Stockwell, 1937, 1944; Wright, 1931a.
Regional: Alcock, 1918, 1919b, 1920b, 1921d; Bruce, 1917.
Anderson Lake, Copper: Harrison, 1949.
Beavertail Lake, Copper: Harrison, 1949.
Berry Creek, Copper: Harrison, 1949.
Birch Lake, Gold: Harrison, 1949.
Chisel Lake, Gold: Harrison, 1949.
Corley Lake, Gold: Harrison, 1949.
Cook Lake, Sulphide: Harrison, 1949.
Crowduck Bay, General: Frarey, 1948.
Edwards Lake, Scheelite: Harrison, 1949.
Elbow-Marston Lakes, General: Shepherd, 1940, Stockwell, 1935.
Elbow Lake, Gold: Stockwell, 1935; Wallace, 1921.
Zircons: Morgan and Auer, 1941.
File Lake, General: Harrison, 1949.
Sulphides: Harrison, 1949.
Fourmile Island, Gold: Harrison, 1949.
Gaspard-Anderson Lakes, Gold: Harrison, 1949.
Gordon Lake, Sulphides: Harrison, 1949.
Herb Lake, Gold: Alcock, 1919b, 1920c, 1921, 1924;
Anonymous, 1925; Stockwell, 1937; Wallace, 1916b, 1919b, c, 1920; Warren, 1943; Wright, 1931a.
Herblet Lake, Gold: Harrison, 1949.
Jackfish Lake, Copper: Harrison, 1949.
Loonhead Lake, Sulphides: Harrison, 1949; Wright, 1931a.
Moody Lake, General: Robertson, 1949.
Moore Lake, Gold: Harrison, 1949.
Morgan Lake, Gold: Harrison, 1949.
Sulphides: Harrison, 1949.
Morton Lake, General: Harrison, 1946b.
Copper: Harrison, 1949.
Metamorphism: Currie, 1947.
Nickel: Harrison, 1949.
Sulphide occurrences: Wright, 1931a.

Nelson River, Regional: McInnes, 1913.
Norris Lake, Gold: Stockwell, 1935.
Photo Lake, Gold: Harrison, 1949.
Rat River Route, Regional: Alcock, 1921b.
Reed-File Lakes, Regional: Alcock, 1919a, 1920b.
Reed Lake, General: Bruce, 1919b.
 Gold Wright, 1931a.
Snow Lake, General: Harrison, 1945, 1946a, 1948.
 Gold Ore: Warren, 1943.
 Nor-Acme: Ebutt, 1944; Precambrian, 1949.
Snow Lake Narrows, Gold: Harrison, 1949.
Squall Lake, General: Boyes and Harrison, 1948.
 Gold: Harrison, 1949.
Tern Lake, Gold: Harrison, 1949.
Threehouse Lake, Gold: Harrison, 1949.
Tramping Lake, General: Harrison, 1949; Stanton, 1946.
 Nickel: Harrison, 1949.
Wekusko Lake: See "Herb Lake".
Woosey Lake, Sulphides: Harrison, 1949.

ISLAND LAKE MINING DIVISION

General: McMurchy, 1944; Precambrian, 1938d; Wright, 1929d,
 1932a.
 Regional: Bell, 1880.
Boundary District, General: Derry and MacKenzie, 1930.
Island Lake, Gold: Shepherd, 1940; Wright, 1932a.
Red Sucker Lake, Tin: Lang, 1948.

LAC DU BONNET MINING DIVISION

General: Collins, 1913; Collins and Camsell, 1913; Collins and
 Wilson, 1913; Wallace, 1917, Wright, 1925a, 1932c.
Regional: Bell, 1994; Lawson, 1885; Selwyn, 1873.
Gold and Scheelite Deposits: Bruce, 1919c.
Pegmatites: DeLury, 1926, Stockwell, 1933.
Bernic Lake, Beryl: DeLury, 1926, Springer, 1949, 1950.
 Lithium: Ellsworth, 1932; Springer, 1949, 1950;
 Stockwell, 1938a; Wallace and Greer, 1927.
 Temperature of deposition (amblygonite) Smith and Peach,
 1949.
 Tin: Derry, 1930b, Rowe, 1929a; Springer, 1949, 1950;
 Wright, 1930b.
Bird Lake, Copper: Springer, 1949, 1950; Wright, 1926a.
 Nickel: Wright, 1926a.
 Silver: Wright, 1926a.

- Bird River, Regional: Moore, 1913
General: Cooke, 1922; Springer, 1949, 1950; Wright, 1926a, 1929c.
Copper-nickel deposits. DeLury, 1927; Wright, 1925a, 1930b, 1932c.
Chromite: Bateman, 1943b; Brownell, 1942; De Wet, 1942; Springer, 1949, 1950.
Lithium: DeLury, 1927; Wright, 1926a.
Nickel: Springer, 1949, 1950; Wright, 1925a.
Tin: Bateman, 1943a; Derry, 1930b.
- Birse Lake, rose quartz: Parsons, 1934.
- Boundary District, General DeLury, 1921; Derry and MacKenzie, 1930.
Molybdenite: DeLury, 1927.
Tungsten: DeLury, 1927.
- Cat Lake, General: Springer, 1948, 1949, 1950.
Beryllium: Springer, 1949, 1950; Stockwell, 1938a.
Lithium: DeLury, 1926; Ellsworth, 1932; Springer, 1948, 1949, 1950; Stockwell, 1938a; Wallace and Greer, 1927.
Chromite: Cameron, 1949.
- Falcon Lake, General. Brownell, 1941; Bruce, 1918c; DeLury, 1919.
Gold DeLury, 1919.
Molybdenite: DeLury, 1917, 1919.
Scheelite: DeLury, 1918, 1919.
- Lake of the Woods, Gold: Parsons, 1912.
- Maskwa Lake, Copper-nickel: Springer, 1948, 1949, 1950.
Chromite: Springer, 1949, 1950.
General: Springer, 1948, 1949, 1950.
- Maskwa River, General. DeLury, 1921; McCann, 1921; Springer, 1948, 1949, 1950.
Copper-Nickel: Colony, 1921, McCann, 1921; Springer, 1948, 1949, 1950; Wright, 1925a, 1930c, 1932c.
Norite: Colony, 1921.
Platinum: Colony, 1921.
- Oiseau Lake: See "Bird Lake".
Oiseau River: See "Bird River".
- Pointe du Bois, Beryl and Quartz: Scott, 1948.
Molybdenite: Wright, 1926c.
Rare minerals: Walker, 1931.
- Rush Lake, Tin: Bateman, 1943a; Lang, 1948.
- Shatford Lake, Beryl: Springer, 1950; Stockwell, 1938a.
Tin: Bateman, 1943a; DeLury, 1926; Derry, 1930b; Springer, 1949, 1950, Wright, 1930b, 1932c.
- Silver Leaf; Chromium (fuchsite): Spence, 1928.
Lithium: Cole and Eardley-Wilmot, 1925; DeLury, 1926; Spence, 1928, 1929; Stockwell, 1933b.
- Star Lake, General. Marshall, 1918b.
Gold Marshall, 1918a.
Platinum: Marshall, 1918a.
Silver: Marshall, 1918a.

West Hawk Lake, Lithium: Ellsworth, 1932; Stockwell, 1938a.
Tin: DeLury, 1920.
Winnipeg River, Beryl: DeLury, 1930; Ellsworth, 1932;
Springer, 1949, 1950; Stockwell, 1938a.
Fuchsite: Stockwell, 1938a.
Geological age: Ahrens, 1950; Hecht and Kroupa, 1936;
Holmes, 1947; Muench, 1950.
Lepidolite (Rb/Tl ratio): Ahrens, 1948b.
Lithium: Ellsworth, 1932; Springer, 1949, 1950; Stockwell,
1938a; Wallace and Greer, 1927.
Rare Elements: Ellsworth, 1932.
Tin: Derry, 1930b.
Uraninite: DeLury and Ellsworth, 1931; Ellsworth, 1932.

OXFORD LAKE MINING DIVISION

General: Precambrian, 1938d; Wright, 1926b.
Beaverhill Lake, General: Wright, 1932b.
Bigstone Lake, General: MacIntosh, 1941.
Gold: MacIntosh, 1941.
Boundary District, General: Derry and MacKenzie, 1930.
Clam Lake, Gold: MacIntosh, 1941.
Echhimamish, General: Tanton, 1937.
Gold: Tanton, 1937.
Munro Lake, General: Wright, 1932b.
Oxford House, General: Wright, 1932b.
Zircons: Morgan and Auer, 1941.
Gold: Wright, 1932b.
Regional: Tyrrell, 1896a.
Playgreen Lake, Molybdenite: Johnston, 1904.
Ponask-Stevenson Lakes, General: Greer, 1928a.
Lake Winnipeg, Regional: Tyrrell, 1897a; Dowling and Tyrrell,
1900.

RICE LAKE MINING DIVISION

General: Bramble, 1918; Cooke, 1922; DeLury, 1921, 1927;
Harding, 1914; Precambrian, 1938a; Stockwell, 1938b,
1940, 1942c; Wallace, 1913; Wright, 1923, 1925b, 1932c
Regional: Selwyn, 1883.
Resources, General: DeLury, 1927.
Beaver Lake, Gold: Wright, 1932c.
Bear Lake, General: Manitoba Mines Branch, 1934.
Little Bear Lake, Gold: Wright, 1932c.
Berens River, Regional: Low, 1887.
Beresford Lake, General: Stockwell and Lord, 1939, Stockwell,
1940, 1942a; Wright, 1924.
Gold: DeLury, 1927; Stockwell and Lord, 1939; Wright, 1924,
1930c, 1932c.
Beresford-Rice Lakes, Gold: Shepherd, 1940.

- Black Island, Iron: Brownell and Kliske, 1945.
Boundary District, General: Derry and MacKenzie, 1930.
Central Manitoba Mine, General: Wright, 1930c.
 Gold: Robinson, 1932; Stockwell and Lord, 1939; Wright, 1932c.
 Mining: Cole, 1932.
English Brook, General: Russell, 1949.
 Gold occurrences: Greer, 1928b; Wright, 1932c.
Gem Lake, General: Minton, 1946a; Thomson, 1946; Stockwell, 1942b.
 Gold: Wright, 1930c, 1932c.
Gold Lake, General: Stockwell, 1938b.
 Gold occurrences: DeLury, 1927.
Gunnar Mine, description: De Wet, 1936.
 General: Shepherd, 1939.
 Gold: Lord, 1942; Stockwell and Lord, 1939.
Halfway Lake, General: Marshall, 1918a; Stockwell and Lord, 1939.
 Gold: Stockwell and Lord, 1939; Wright, 1932c.
Jeep Mine, Gold: Thompson, 1950.
 Tellurbismuth: Thompson, 1950.
Lake St. Martin, General: Tyrrell, 1889, 1890.
Long Lake, General: Marshall, 1918a.
 Gold: Wright, 1924.
Manigotagan, General: Dresser, 1917; Moore, 1913.
 Gold: DeLury, 1916a; Wright, 1925b.
Ogama-Rockland, Gold: Precambrian, 1948b.
Palomar Lake, Gold: Wright, 1932c.
Rice Lake, Gold: Bramble, 1918; DeLury, 1927; Stockwell, 1938b; Tyrrell, 1915; Wallace, 1913; Wright, 1930c, 1932c.
Red Rice Lake, Gold: DeLury, 1927; Wright, 1932c.
San Antonio: De Huff, 1940; Gibson and Stockwell, 1948; Kennedy, and Reid, 1933; Reid, 1931; San Antonio Mine Staff, 1936; Stockwell, 1938b; Wright, 1930.
 Gold: McLaren, 1932; Robinson, 1932.
 Red Gold: Ferguson, 1950.
 Rock alteration: Bragg, 1943.
Saxton Lake, Gold: Wright, 1932c.
Stovel Lake, Gold: Stockwell and Lord, 1939.
Tinney Lake, Gold: Stockwell and Lord, 1939.
Wallace Lake, General: Russell, 1948a.
Wanipigow Lake, General: Davies, 1949, 1950.
 Gold: Wright, 1932c.
Wanipigow River, Gold occurrences: Davies, 1949, 1950; DeLury, 1927.
 Regional: Moore, 1913.
Lake Winnipeg, Regional: Dowling and Tyrrell, 1900.
Lake Winnipegosis, Regional (Lake St. Martin): Tyrrell, 1889, 1890.

PART IV

MAPS

GEOLOGICAL MAPS PUBLISHED BY MANITOBA MINES BRANCH

1937 - 1950

West Hawk and Falcon Lakes Area - Southeastern
Manitoba. Geology by J.S. DeLury, 1937.

- Map 37-1 Area North of Maskwa Lake, Geology by F.D.
Shepherd, 1942.
- Map 37-2 Cat-Euclid Lakes Area. Geology by F.D. Shepherd,
1942.
- Map 37-4 Boundary Area - Southeastern Manitoba; long. $95^{\circ}10'$
- $96^{\circ}05'$; lat. $49^{\circ}30'$ to $50^{\circ}10'$; 1 in. to 2 mi.
Geology by J. S. DeLury.
- Map 38-1 Bigstone Lake Area; long. $95^{\circ}10'$ - $96^{\circ}00'$; lat.
 $53^{\circ}37'$ - $53^{\circ}50'$; 1 in. to 1 mi. Geology by
R.T. McIntosh.
- Map 39-1 Assean-Split Lakes Area; long. $95^{\circ}45'$ - $96^{\circ}45'$;
lat. $56^{\circ}00'$ - $56^{\circ}30'$; 1 in. to 1 mi. Geology by
A. S. Dawson.
- Map 41-1 Partridge Crop Lake Area; long. $96^{\circ}45'$ - $98^{\circ}15'$;
lat. $55^{\circ}15'$ - $56^{\circ}00'$; 1 in. to 1 mi. Geology by
A. S. Dawson.
- Map 46-1 Knee Lake Area; long. $94^{\circ}00'$ - $95^{\circ}00'$; lat. $55^{\circ}00'$
- $56^{\circ}00'$; 1 in. to 2 mi. Geology by G.D. Springer.
- Map 46-2 Lynn Lake Area; long. $101^{\circ}00'$ - $101^{\circ}15'$; lat.
 $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by J.D.
Allan.
- Map 47-1 Wallace Lake Area; long. $95^{\circ}15'$ - $95^{\circ}30'$; lat.
 $51^{\circ}00'$ - $51^{\circ}15'$; 2 in. to 1 mi. Geology by
G. A. Russell.

- Map 47-2 Cat Lake-Maskwa Lake Area; long. $95^{\circ}15'$ - $95^{\circ}42'$, lat. $50^{\circ}27'$ - $50^{\circ}41'$; 2 in. to 1 mi. Geology by G.D. Springer.
- Map 47-3 Hughes Lake Area; long. $100^{\circ}30'$ - $100^{\circ}45'$; lat. $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by J. D. Allan.
- Map 47-4 Gods Lake Area; long. $94^{\circ}00'$ to $94^{\circ}15'$; lat. $54^{\circ}30'$ - $54^{\circ}45'$; 2 in. to 1 mi. Geology by W.F. Dix.
- Map 47-5 Farley Lake Area; long. $100^{\circ}15'$ - $100^{\circ}30'$; lat. $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by M.S. Stanton.
- Map 47-6 Barrington Lake Area; long. $100^{\circ}00'$ - $100^{\circ}15'$; lat. $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by G.P. Crombie.
- Map 48-2 Wanipigow Lake Area; long. $95^{\circ}45'$ - $96^{\circ}00'$; lat. $51^{\circ}00'$ - $51^{\circ}15'$; 2 in. to 1 mi. Geology by J. F. Davies.
- Map 48-3 English Brook Area; long. $96^{\circ}00'$ - $96^{\circ}15'$; lat. $51^{\circ}00'$ - $51^{\circ}15'$; 2 in. to 1 mi. Geology by G.A. Russell.
- Map 48-4 Dunphy Lakes Area; long. $101^{\circ}30'$ - $101^{\circ}45'$; lat. $56^{\circ}30'$ - $56^{\circ}45'$; 2 in. to 1 mi. Geology by M.S. Stanton.
- Map 48-6 Sickle Lake Area; long. $100^{\circ}30'$ - $100^{\circ}45'$; lat. $56^{\circ}30'$ - $56^{\circ}45'$; 2 in. to 1 mi. Geology by A.P. Fawley.
- Map 48-7 Cat Lake-Winnipeg River Area; long. $95^{\circ}09'$ - $95^{\circ}40'$; lat. $50^{\circ}20'$ - $50^{\circ}40'$; (2 sheets); 2 in. to 1 mi. Geology by G.D. Springer.
- Map 49-3 Wanipigow River Area; long. $95^{\circ}30'$ - $95^{\circ}45'$; lat. $51^{\circ}00'$ - $51^{\circ}15'$; 2 in. to 1 mi. Geology by J. F. Davies.
- Map 49-7 Cat Lake-Winnipeg River Area, long. $95^{\circ}09'$ - $95^{\circ}40'$, lat. $50^{\circ}15'$ - $50^{\circ}40'$; 1 in. to 1 mi. Geology by G.D. Springer.

PRELIMINARY REPORTS AND MAPS PUBLISHED BY
THE GEOLOGICAL SURVEY OF CANADA

1935 - 1950

Papers

- * 35-2 Preliminary report; A Geological Exploration of Seal River, Northern Manitoba, by A.W. Johnston.
- * 37-7 Preliminary report, Stull (Mink) Lake Area, Manitoba, by D.L. Downie.
- * 37-18 Preliminary report, Echimamish Area, Northern Manitoba, by T.L. Tanton.
- * 42-13 Preliminary map, Beresford Lake, Manitoba, by C.H. Stockwell.
- * 42-14 Preliminary map, Gem Lake, Manitoba, by C.H. Stockwell.
- * 42-15 Preliminary map, Rice Lake, Manitoba, by C.H. Stockwell.
- * 42-16 Preliminary map, Athapapuskow Lake, Manitoba, by A.F. Buckham.
- 44-4 Preliminary map, Sherritt Gordon Mines Area, by J.D. Bateman.
- 44-22 Mikanagan Lake, Manitoba (Map and descriptive notes) by J.D. Bateman and J.M. Harrison.
- 45-7 Snow Lake, Manitoba (Map and descriptive notes) by J.M. Harrison.
- 45-12 Gold Deposits East of Flin Flon, Manitoba (report and figure) by J.D. Bateman.
- 45-14 McVeigh Lake Area, Manitoba (report, map and figure) by J. D. Bateman.
- 45-15 Sherridon Manitoba (map and descriptive notes) by J.D. Bateman and J.M. Harrison.

- 46-9 Preliminary maps, Snow Lake and Nor-Acme Mine Area, Manitoba (two maps), by J.M. Harrison.
- 46-19 Tramping Lake (Northern Part), Manitoba, by M.S. Stanton.
- 46-26 Preliminary map, Morton Lake, Manitoba, by J.M. Harrison.
- 48-8 Preliminary map, Nokomis Lake, Manitoba (Map with descriptive notes), by D.S. Robertson.
- 48-22 Preliminary map, Crowduck Bay, Manitoba, by M.J. Frarey.
- 49-5 Preliminary map, Weldon Bay, Manitoba (Map and descriptive notes), by J. Kalliokoski.
- 49-9 Preliminary map, Collins Point, Manitoba, by M.J. Frarey.
- 49-12 Preliminary map, Brochet, Manitoba (Map and descriptive notes), by N.R. Gadd.
- 49-20 Preliminary map, Moody Lake, Manitoba, by D.S. Robertson.
- 50-1 Preliminary map, Elbow Lake, Manitoba, by D.S. Robertson.
- 50-5 Second preliminary map, Weldon Bay, Manitoba, (Map and descriptive notes), by J. Kalliokoski.

GEOLOGICAL MAPS OF MANITOBA PUBLISHED BY
GEOLOGICAL SURVEY OF CANADA

1917 - 1950

- 135A Lower Churchill River; lat. $57^{\circ}00'$ to $59^{\circ}00'$;
long. $94^{\circ}00'$ to $99^{\circ}00'$; scale 1 in. to 16 mi.;
geology (1918).
- 1670 Schist Lake district; scale 1 in. to 2 mi.;
geology (1917).
- * 1671 Wekusko Lake; scale 1 in. to 2 mi.; geology
(1917).
- * 1672 Diagram showing gold-bearing deposits in the
vicinity of Big Clearwater Lake; scale 1 in.
to $3/4$ mi.; geology (1917).
- * 1692 Amisk and Athapapuskow Lake region; lat.
 $54^{\circ}23'$ to $54^{\circ}59'$; long. $100^{\circ}45'$ to $102^{\circ}24'$;
scale 1 in. to 4 mi.; geology (1917).
- 1726 Athapapuskow Lake region; lat. $54^{\circ}15'$ to
 $55^{\circ}00'$; long. $100^{\circ}45'$ to $102^{\circ}30'$; scale
1 in. to 3 mi.; geology (1919).
- * 1763 Portion of the Rex group of claims, Wekusko
Lake; scale 1 in. to 200 ft.; geology (1919).
- 1801 Reed and Wekusko Lakes region; lat. $54^{\circ}30'$
to $55^{\circ}02'$; long. $99^{\circ}25'$ to $100^{\circ}43'$; scale
1 in. to 2 mi.; geology (1920).
- 1802 Upper Whitemouth River; lat. $49^{\circ}00'$ to
 $49^{\circ}52'$; long. $95^{\circ}10'$ to $96^{\circ}30'$; scale
1 in. to 3 mi.; surface geology (1921).
- * 1838 Rat River route from Threepoint Lake to
Southern Indian Lake; scale 1 in. to 8 mi.;
geology (1921).
- * 1839 The terminal moraine of the Seal-Churchill
divide; scale 1 in. to 5 mi.; geology (1921).

- 1841 Diagram showing Maskwa River nickel-copper deposits; scale 1 in. to 3/4 mi.; geology (1922).
- 1861 The Oswagan Lake-Burntwood River area; lat. 55°27' to 55°49'; long. 97°50' to 98°20'; scale 1 in. to 2 mi.; geology (1921).
- * 1928 Oiseau River area; scale 1 in. to 3/4 mi.; geology (1922).
- * 1929 Rice Lake area; scale 1 in. to 3/4 mi.; geology (1922).
- 1978 Part of the Flin Flon group of claims; scale 1 in. to 250 ft.; geology (1923).
- * 1992 Preliminary map of a portion of Rice Lake mining district; lat. 50°51' to 51°07'; long. 95°30' to 95°56'; scale 1 in. to 1 mi.; geology (1923).
- * 1994 Flin Flon Lake area; lat. 54°42' to 54°49'; long. 101°48' to 101°58'; scale 1 in. to 1/2 mi.; geology (1925).
- 1995 Cross and Pipestone Lakes area; lat. 54°25' to 54°50'; long. 97°17' to 98°10'; scale 1 in. to 2 mi.; geology (1924).
- * 2012 Beresford Lake area, Rice Lake mining district; lat. 50°51' to 50°58'; long. 95°13' to 95°28'; scale 1 in. to 1 mi.; geology (1925).
- * 2059 Oiseau River area; lat. 50°16' to 50°30'; long. 95°09' to 95°49'; scale 1 in. to 1 mi.; geology (1925).
- * 2109 Oxford and Knee Lakes area; lat. 54°40' to 55°10'; long. 94°20' to 96°05'; scale 1 in. to 2 mi.; geology (1926)
- 2110 Bigstone and Fox Rivers area (three sheets); scale 1 in. to 2 mi.; geology (1926).

- 195A Beresford and Rice Lakes area; lat. $50^{\circ}40'$ to $51^{\circ}05'$; long. $95^{\circ}09'$ to $95^{\circ}47'$; scale 1 in. to 1 mi.; geology (1927).
- 211A Island Lake area; lat. $53^{\circ}36'$ to $54^{\circ}05'$; long. $93^{\circ}36'$ to $95^{\circ}08'$; scale 1 in. to 2 mi.; geology (1928).
- * 233A Reindeer Lake area; lat. $56^{\circ}15'$ to $58^{\circ}08'$; long. $101^{\circ}23'$ to $103^{\circ}22'$; scale 1 in. to 6 mi.; geology (1929).
- * 234A Kississing Lake area; lat. $54^{\circ}56'$ to $55^{\circ}30'$; long. $100^{\circ}50'$ to $102^{\circ}00'$; scale 1 in. to 2 mi.; geology (1929).
- * 2199 Sherritt-Gordon deposit, Kississing Lake; scale 1 in. to 800 ft.; geology (1929).
- * 254A Winnipeg sheet, Manitoba and Saskatchewan; lat. $49^{\circ}00'$ to $52^{\circ}00'$; long. $95^{\circ}00'$ to $102^{\circ}00'$; scale 1 in. to 8 mi.; surface geology (1931).
- 268A The Pas, Manitoba and Saskatchewan; lat. $52^{\circ}00'$ to $55^{\circ}00'$; long. $96^{\circ}00'$ to $103^{\circ}30'$; scale 1 in. to 8 mi.; geology (1934).
- 274A Oiseau sheet (east of principal meridian), Manitoba and Ontario; lat. $50^{\circ}15'$ to $50^{\circ}30'$; long. $95^{\circ}00'$ to $95^{\circ}30'$; scale 1 in. to 1 mi.; geology (1932).
- 275A Lac du Bonnet sheet (east of principal meridian); lat. $50^{\circ}15'$ to $50^{\circ}30'$; long. $95^{\circ}30'$ to $96^{\circ}05'$; scale 1 in. to 1 mi.; geology (1932).
- * 280A Wadhope area (township 22, range 16, east of principal meridian); lat. $50^{\circ}49'$ to $50^{\circ}56'$; long. $95^{\circ}14'$ to $95^{\circ}25'$; scale 1 in. to 2,000 ft.; geology (1932).
- * 301A Granville Lake area; lat. $56^{\circ}13'$ to $57^{\circ}00'$; long. $100^{\circ}00'$ to $101^{\circ}00'$; scale 1 in. to 4 mi.; geology (1934).

- 305A Oxford House sheet; lat. $54^{\circ}00'$ to $55^{\circ}00'$;
long. $94^{\circ}00'$ to $96^{\circ}00'$; scale 1 in. to
4 mi.; geology (1934).
- 321A Elbow-Morton area; lat. $54^{\circ}35'$ to $54^{\circ}58'$;
long. $100^{\circ}25'$ to $100^{\circ}58'$; scale 1 in. to
2 mi.; geology (1935).
- 343A Granville Lake sheet (west half); lat. $56^{\circ}00'$
to $57^{\circ}00'$; long. $101^{\circ}00'$ to $102^{\circ}00'$;
scale 1 in. to 4 mi.; geology (1936)
- 344A Granville Lake sheet (east half); lat. $56^{\circ}00'$
to $57^{\circ}00'$; long. $100^{\circ}00'$ to $101^{\circ}00'$;
scale 1 in. to 4 mi.; geology (1936)
- 345A Portion of Seal River, northern Manitoba;
lat. $58^{\circ}30'$ to $59^{\circ}30'$; long. $94^{\circ}00'$ to
 $99^{\circ}00'$; scale 1 in. to 4 mi.; geology
(1936).
- 346A Seal River area, northern Manitoba; lat.
 $57^{\circ}00'$ to $60^{\circ}00'$; long. $94^{\circ}00'$ to $100^{\circ}00'$;
scale 1 in. to 12 mi.; geology (1936).
- * 374A Herb Lake area (north sheet); scale 1 in. to
1000 ft.; geology (1936).
- * 375A Herb Lake area (centre sheet); scale 1 in.
to 1,000 ft.; geology (1936).
- * 376A Herb Lake area (south sheet); scale 1 in.
to 1,000 ft.; geology (1936).
- 423A Norway House sheet (east half); lat. $53^{\circ}00'$
to $54^{\circ}00'$; long. $96^{\circ}00'$ to $97^{\circ}00'$; scale
1 in. to 4 mi.; geology (1938).
- 424A Norway House sheet (west half); lat. $53^{\circ}00'$
to $54^{\circ}00'$; long. $97^{\circ}00'$ to $98^{\circ}00'$; scale
1 in. to 4 mi.; geology (1938).
- 425A Deer Lake sheet (west half), Manitoba and
Ontario; lat. $52^{\circ}00'$ to $53^{\circ}00'$; long.
 $95^{\circ}00'$ to $96^{\circ}00'$; scale 1 in. to 4 mi.;
geology (1938).

- 426A Berens River sheet (east half); lat. $52^{\circ}00'$ to $53^{\circ}00'$; long. $96^{\circ}00'$ to $97^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 427A Berens River sheet (west half); lat. $52^{\circ}00'$ to $53^{\circ}00'$; long. $97^{\circ}00'$ to $98^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 428A Carroll Lake sheet (west half); Manitoba and Ontario; lat. $51^{\circ}00'$ to $52^{\circ}00'$; long. $95^{\circ}00'$ to $96^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 429A Hecla sheet (east half); lat. $51^{\circ}00'$ to $52^{\circ}00'$; long. $96^{\circ}00'$ to $97^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 451A Stull Lake sheet (east half), Manitoba and Ontario; lat. $54^{\circ}00'$ to $55^{\circ}00'$; long. $92^{\circ}00'$ to $93^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 452A Stull Lake sheet (west half), Manitoba and Ontario; lat. $54^{\circ}00'$ to $55^{\circ}00'$; long. $93^{\circ}00'$ to $94^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 458A Rice Lake-Gold Lake area (sheet 1); scale 1 in. to 500 ft.; geology (1938).
- 459A Rice Lake-Gold Lake area (sheet 2); scale 1 in. to 500 ft.; geology (1938).
- 460A Rice Lake-Gold Lake area (sheet 3); scale 1 in. to 500 ft.; geology (1938).
- 461A Rice Lake-Gold Lake area (sheet 4); scale 1 in. to 500 ft.; geology (1938).
- 462A Rice Lake-Gold Lake area (sheet 5); scale 1 in. to 500 ft.; geology (1938).
- 463A Rice Lake-Gold Lake area (sheet 6); scale 1 in. to 500 ft.; geology (1938).
- 464A Rice Lake-Gold Lake area (sheet 7); scale 1 in. to 500 ft.; geology (1938).
- 465A Rice Lake-Gold Lake area (sheet 8); scale 1 in. to 500 ft.; geology (1938).

- 535A Halfway Lake-Beresford Lake, southeastern Manitoba (sheet 1); scale 1 in. to 1,000 ft.; geology (1940).
- 536A Halfway Lake-Beresford Lake, southeastern Manitoba (sheet 2); scale 1 in. to 1,000 ft.; geology (1940).
- 537A Halfway Lake-Beresford Lake, southeastern Manitoba, sheet (3); scale 1 in. to 1,000 ft.; geology (1940).
- 632A Flin Flon, Saskatchewan and Manitoba; lat. $54^{\circ}45'$ to $55^{\circ}00'$; long. $101^{\circ}45'$ to $102^{\circ}00'$; scale 1 in. to 1 mi.; geology (1941).
- 633A Schist Lake, Saskatchewan and Manitoba; lat. $54^{\circ}30'$ to $54^{\circ}45'$; long. $101^{\circ}45'$ to $102^{\circ}00'$; scale 1 in. to 1 mi.; geology (1941).
- 665A Wekusko, lat. $54^{\circ}40'$ to $55^{\circ}00'$; long. $99^{\circ}45'$ to $100^{\circ}00'$; scale 1 in. to 1 mi.; geology (1941).
- 807A Athapapuskow Lake, west of principal meridian; lat. $54^{\circ}30'$ to $54^{\circ}45'$; long. $101^{\circ}30'$ to $101^{\circ}45'$; scale 1 in. to 1 mi.; geology (1944).
- 809A Beresford Lake, east of principal meridian; lat. $50^{\circ}50'$ to $51^{\circ}03'$; long. $95^{\circ}10'$ to $95^{\circ}30'$; scale 1 in. to 1 mi.; geology (1945).
- 810A Rice Lake, east of principal meridian; lat. $50^{\circ}50'$ to $51^{\circ}05'$; long. $95^{\circ}30'$ to $95^{\circ}50'$; scale 1 in. to 1 mi.; geology (1945).
- 811A Gem Lake, east of principal meridian; lat. $50^{\circ}37'$ to $50^{\circ}50'$; long. $95^{\circ}10'$ to $95^{\circ}30'$; scale 1 in. to 1 mi.; geology (1945).
- 832A Mikanagan Lake, west of principal meridian; lat. $54^{\circ}45'$ to $55^{\circ}00'$; long. $101^{\circ}30'$ to $101^{\circ}45'$; scale 1 in. to 1 mi.; geology (1945).

- 850A Geological map of Manitoba; lat. $49^{\circ}00'$ to $60^{\circ}00'$; long. $90^{\circ}00'$ to $103^{\circ}00'$; scale 1 in. to 20 mi.; geology (1946). Price 25 cents.
- 851A Mineral map of Manitoba; lat. $49^{\circ}00'$ to $60^{\circ}00'$; long. $90^{\circ}00'$ to $103^{\circ}00'$; scale 1 in. to 20 mi.; geology (1946). Price 25 cents.
- 862A Sherridon, west of principal meridian; lat. $55^{\circ}00'$ to $55^{\circ}15'$; long. $101^{\circ}00'$ to $101^{\circ}15'$; scale 1 in. to 1 mi.; geology (1947).
- 906A Tramping Lake, west of principal meridian; lat. $54^{\circ}30'$ to $54^{\circ}05'$; long. $100^{\circ}00'$ to $100^{\circ}30'$; scale 1 in. to 1 mi.; geology (1947).
- 929A File Lake, west of principal meridian; lat. $54^{\circ}45'$ to $55^{\circ}00'$; long. $100^{\circ}00'$ to $100^{\circ}30'$; scale 1 in. to 1 mi.; geology (1948).
- 930A Nor-Acme Mine Area; lat. (approx.) $54^{\circ}50'$ to $54^{\circ}55'$; long. $100^{\circ}00'$ to $100^{\circ}05'$; scale 1 in. to 1,000 ft.; geology (1948).
- 970A Kississing, Saskatchewan and Manitoba; lat. $55^{\circ}00'$ to $56^{\circ}00'$; long. $100^{\circ}00'$ to $102^{\circ}00'$; scale 1 in. to 4 mi.; geology (1949).
- 1001A Brochet, Manitoba; lat. $57^{\circ}00'$ to $58^{\circ}00'$; long. $100^{\circ}00'$ to $102^{\circ}00'$; scale 1 in. to 4 mi.; geology (1950).

